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ABSTRACT

This report presents a brief summary of data gathered from the Survey of Earned Doctorates during fiscal year 1972. The Survey is conducted annually by the National Research Council. Questionnaire forms, distributed with the cooperation of the Graduate Deans, are filled out by the graduates as they completed all requirements for their doctoral degree. The data in this report refer to doctorates earned during the period July 1, 1971 to June 30, 1972. The survey form is included. (Author/MJM)

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Summary Report 1972 DOCTORATE RECIPIENTS FROM UNITED STATES UNIVERSITIES

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Prepared in the
Manpower Studies Branch

Office of Scientific Personnel
National Research Council
Washington, D.C.

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This report presents a brief summary of data gathered from the Survey of Earned Doctorates during fiscal year 1972. The Survey is conducted annually by the Office of Scientific Personnel (OSP) of the National Research Council. Questionnaire forms, distributed with the cooperation of the Graduate Deans, are filled out by the graduates as they complete all requirements for their doctoral degrees. The data in this report refer to doctorates earned during the period July 1, 1971 to June 30, 1972, but they do not include professional degrees such as the MD, DDS, and DVM.

This is the sixth in a series of yearly summaries of data from the Survey of Earned Doctorates. The OSP publishes data gathered during a given fiscal year in the following fiscal year. The statistics thus made available may be used to update some of those in the book, Doctorate Recipients from United States Universities 1958-1966 (NAS publication 1489).

The distribution of the Survey of Earned Doctorates questionnaire, the maintenance of the resulting data file, and the publication of this report are supported jointly by the National Science Foundation, the United States Office of Education, the National Institutes of Health, and the National Endowment for the Humanities. The OSP wishes to express its appreciation to these agencies for their assistance.

The OSP is concerned with programs that strengthen higher education and develop better understanding of the educational process. It is hoped that prompt reporting of these data to educational, governmental, and professional agencies will facilitate planning in higher education. Suggestions for improvement of the content or format of the report will be welcomed. Such communications may be directed to the Office of Scientific Personnel, National Research Council, 2101 Constitution Avenue, Washington, D.C., 20418.

Number of Research Doctorates Awarded to Men and Women by U.S. Universities
Calendar Year (CY) 1920 - Fiscal Year (FY) 1972

Year of Doctorate	Men No.	Men %	Women No.	Women %	Total (100 %)
CY 1920	472	84.3	88	15.7	560
1921	554	83.8	107	16.2	661
1922	668	85.6	112	14.4	780
1923	905	85.2	157	14.8	1062
1924	963	85.0	170	15.0	1133
1925	1004	83.3	202	16.8	1206
1926	1242	86.1	200	13.9	1442
1927	1306	84.9	233	15.1	1539
1928	1392	85.5	236	14.5	1628
1929	1592	83.2	321	16.8	1913
1930	1758	84.9	313	15.1	2071
1931	1979	84.6	361	15.4	2340
1932	2017	84.0	384	16.0	2401
1933	2113	85.9	347	14.1	2460
1934	2346	87.0	350	13.0	2696
1935	2152	85.4	369	14.6	2521
1936	2299	84.8	413	15.2	2712
1937	2346	85.3	403	14.7	2749
1938	2337	84.8	419	15.2	2756
1939	2524	85.6	424	14.4	2948
1940	2848	86.9	428	13.1	3276
1941	3078	88.4	403	11.6	3481
1942	2981	87.6	421	12.4	3402
1943	2191	84.8	394	15.2	2585
1944	1621	83.0	333	17.0	1954
1945	1288	79.5	333	20.5	1621
1946	1608	80.8	381	19.2	1989
1947	2546	86.1	412	13.9	2958
1948	3432	88.0	466	12.0	3898
1949	4875	89.9	546	10.1	5421
1950	5898	90.5	621	9.5	6519
1951	6649	90.7	682	9.3	7331
1952	6984	90.5	732	9.5	7716
1953	7589	90.6	789	9.4	8378
1954	7912	90.9	794	9.1	8706
1955	8023	90.1	881	9.9	8904
1956	7695	90.5	806	9.5	8501
1957 (CY 1st ½)	5486	88.7	701	11.3	6187
FY 1958	7782	88.7	991	11.3	8773
1959	8236	89.4	976	10.6	9212
1960	8690	89.3	1042	10.7	9732
1961	9284	89.2	1128	10.8	10412
1962	10269	89.3	1236	10.7	11505
1963	11333	89.1	1391	10.9	12724
1964	12763	89.1	1561	10.9	14324
1965	14581	89.2	1759	10.8	16340
1966	15863	88.4	2090	11.6	17953
1967	17944	88.0	2440	12.0	20384
1968	19985	87.2	2931	12.8	22916
1969	22341	86.8	3387	13.2	25728
1970	25509	86.5	3970	13.5	29479
1971	27247	85.6	4594	14.4	31841
1972	27719	84.0	5282	16.0	33001
Total	354,219	87.5	50,510	12.5	404,729

DOCTORAL RATE DECREASES

The number of doctorate recipients continues to increase but the annual rate of increment has dropped off sharply in the last two years. The 33,001 doctorates awarded in 1972 is a 3.6% increase over the number awarded in 1971; the number in 1971 showed an 8.1% increase over 1970.

These decreased growth rates occur after a period of steady growth. The number of doctorates awarded in 1972 was almost three and a half times the number awarded in 1960. Through the 'sixties the average annual increment was 10.9%. An extraordinarily high rate occurred in 1970 (14.6%) which was followed by the lows of 1971 and 1972. The following table shows separately the increments for all doctorate recipients and women recipients of the doctorate:

Annual Increments in Doctorates Awarded to:

	Women	Men and Women Combined
1960	6.8%	5.6%
1961	8.3	7.0
1962	9.6	10.5
1963	12.5	10.6
1964	12.2	12.6
1965	12.7	14.0
1966	18.8	9.9
1967	16.8	13.5
1968	20.1	12.4
1969	15.6	12.3
1970	17.2	14.6
1971	15.7	8.0
1972	15.0	3.6

WOMEN DOCTORATES

For the first time, all tables presented in this SUMMARY REPORT show separately the data about women doctorate recipients. To put these data in historical perspective, the table at the left shows the number of women and men receiving the degree in each of the years which are covered by the Doctorate Records File.

Referring to the period since 1960, the table to the left shows a gradual increase in the proportion of doctorates earned by women. The number of women, however, is five times greater in 1972 than in 1960. The average rate of increase for the decade of the 'sixties was 13.3%. Though the rates decreased in 1971 and 1972, the drop was neither as sharp nor as low as the decrease in the percentage for all doctorates shown above.

TABLE 1	Number of Doctorate Recipients by Sex and Subfields, FY 1972
TABLE 2	Statistical Profile of Women Doctorate Recipients and All Doctorate Recipients by Field of Doctorate, FY 1972 (two tables)
TABLE 3	Percentage of FY 1972 Doctorate Recipients by Sources of Support in Graduate School, by Sex and Summary Fields
TABLE 4	Number of FY 1972 Doctorate Recipients by Sex, State of Doctoral Institution and Summary Field

Table titles and headings are generally self-explanatory, but a few terms need special definition or explanation.

Table 2:

The fields of the doctorate which head Table 2 differ from those in the SUMMARY REPORTS of previous years. The fields are grouped into broader categories and only the largest fields are shown in detail. Refer to page 17 for the codes included in each broad field and the Specialties List on page 16 for the codes and names of each subfield.

"Median Age at Doctorate"--One-half received the doctorate at this age or younger.

"Percent with Master's"--This indicates the percentage of doctorate recipients in a field who received a master's degree in any field before taking the doctorate.

"Median Time Lapse"--Total Time refers to total calendar time elapsed between year of baccalaureate and year of doctorate; Registered Time refers to the total time registered in a university between baccalaureate and doctorate.

Postgraduation plans of the doctorate recipients are grouped as: Post-doctoral study (fellowship, research associateship, traineeship, other), Employment (educational institution, industry, etc.), or Unknown. The sum of the columns of percentages totals 100% with allowance for rounding. For example, 5.0% of all the mathematicians accepted postdoctoral fellowships, 0.4% held traineeships, 3.3% received research associateships and 1.1% had some other form of postdoctoral study support; 84.8% were employed; and 5.5% did not indicate their postdoctoral plans. The percentages listed by type of employer (educational institution, industry, etc.) total to the 84.8% employed.

Percentages showing the distribution of doctorate recipients by work activity and by region of employment are based only on those who were going into employment. They exclude those planning postdoctoral study as described in the categories above. This is the first year secondary work activities were reported by the doctorate recipients.

Table 3:

Data in Table 3 describe sources of financial support during graduate school. The question was answered by 31,180 (95%) of the FY 1972 doctorate recipients. The data in the table should be interpreted as follows: 617 doctorate recipients in the physical sciences reported financial support from NSF fellowships during graduate school. This number is 11.6% of all the physical science doctorates who answered the question, and it is 35.2% of those in all fields that reported NSF fellowship support. Since students may indicate multiple sources of support, the vertical percentages sum to more than 100%.

Table 4:

Table 4 shows the number of persons receiving a doctorate from universities in each of the 50 states, District of Columbia and Puerto Rico.

TABLE 1
NUMBER OF DOCTORATE RECIPIENTS BY SUBFIELDS, FISCAL YEAR 1972

SUBFIELD OF DOCTORATE	NUMBER OF DOCTORATES		
	MEN	WOMEN	TOTAL
TOTAL ALL FIELDS	**27719**	**5282**	**33001**
PHYSICAL SCIENCES	**5142**	**365**	**5507**
MATHEMATICS	1185	96	1281
ALGEBRA	145	22	167
ANALYSIS	231	10	241
GEOMETRY	33	2	35
LOGIC	33	6	39
NUMBER THEORY	30	6	36
PROBABILITY,MATH STATISTICS	139	12	151
TOPOLOGY	123	7	130
COMPUTING THEORY AND PRACTICE	151	12	163
APPLIED MATHEMATICS	116	3	119
MATHEMATICS,GENERAL	101	11	112
MATHEMATICS,OTHER	83	5	88
PHYSICS AND ASTRONOMY	1589	46	1635
ASTRONOMY	59	4	63
ASTROPHYSICS	62	4	66
ATOMIC AND MOLECULAR PHYSICS	147	3	150
ELECTROMAGNETISM	11		11
MECHANICS	6		6
ACOUSTICS	20		20
FLUIDS	27		27
PLASMA PHYSICS	92	1	93
OPTICS	31		31
THERMAL PHYSICS	17	1	18
ELEMENTARY PARTICLES	192	6	198
NUCLEAR STRUCTURE	230	4	234
SOLID STATE	383	10	393
PHYSICS,GENERAL	151	6	157
PHYSICS,OTHER	161	7	168
CHEMISTRY	1809	202	2011
ANALYTICAL	131	16	147
INORGANIC	258	31	289
ORGANIC	664	49	713
NUCLEAR	20	2	22
PHYSICAL	414	54	468
THEORETICAL	57	9	66
AGRICULTURAL AND FOOD	16	6	22
PHARMACEUTICAL	40	8	48
CHEMISTRY,GENERAL	118	12	130
CHEMISTRY,OTHER	91	15	106
EARTH SCIENCES	559	21	580
MINERALOGY,PETROLOGY	56	5	61
GEOCHEMISTRY	34	3	37
STRATIGR,SEDIMENTATION	49	2	51
PALEONTOLOGY	34	1	35
STRUCTURAL GEOLOGY	23	1	24
GEOPHYSICS	75	3	78
GEOMORPHOL,GLACIAL GEOLOGY	19		19
HYDROLOGY	13		13
OCEANOGRAPHY	77	1	78
METEOROLOGY	76	2	78
APPL GEOL,GEOL ENG,ECON GEOL	40		40
FUEL TECHNOL,PETROL ENG	6		6
EARTH SCIENCES,GENERAL	29	1	30
EARTH SCIENCES,OTHER	28	2	30
ENGINEERING	**3454**	**21**	**3475**
AERONAUTICAL AND ASTRONAUTICAL	181		181
AGRICULTURAL	67		67
BIOMEDICAL ENGINEERING	74	3	77
CIVIL	361	1	362
CHEMICAL	383	2	385
CERAMIC	30	1	31
ELECTRICAL	686	4	690
ELECTRONICS	124	1	125
INDUSTRIAL	142		142
NUCLEAR ENGINEERING	116	1	117
ENGINEERING MECHANICS	209		209
ENGINEERING PHYSICS	38	1	39
MECHANICAL	405	2	407
METALLURGY AND PHYS MET ENG	173	2	175
OPERATIONS RESEARCH	61	1	62
SANITARY	48		48
MINING ENGINEERING	16		16
MATERIAL SCIENCE ENGINEERING	86		88
ENGINEERING,GENERAL	33		33
ENGINEERING,OTHER	219	2	221
LIFE SCIENCES	**4253**	**731**	**4984**
BIOLOGICAL SCIENCES	2696	610	3306
BIOCHEMISTRY (1)	475	105	580
BIOPHYSICS (1)	98	16	114
BIOMETRICS,BIOSTATISTICS (2)	23	7	30
ANATOMY (1)	116	43	159
CYTOLOGY (1)	18	18	36
EMBRYOLOGY (1)	27	8	35
IMMUNOLOGY (1)	12	6	18
BOTANY (2)	164	31	195
ECOLOGY (2)	122	12	134
HYDROBIOLOGY (2)	22	2	24
MICROBIOLOGY (1)	305	90	395
PHYSIOLOGY,ANIMAL (1)	288	52	340
PHYSIOLOGY,PLANT (2)	69	7	76
ZOOLOGY (2)	312	44	356
GENETICS (2)	120	39	159
ENTOMOLOGY (2)	186	9	195
MOLECULAR BIOLOGY (1)	102	52	154
BIOL SCIENCES,GENERAL (2)	110	23	133
BIOL SCIENCES,OTHER (2)	127	46	173
AGRICULTURAL SCIENCES	983	33	1016
AGRONOMY	137	4	141
AGRICULTURAL ECONOMICS	158	3	161
ANIMAL HUSBANDRY	67	1	68
FOOD SCIENCE AND TECHNOLOGY	73	8	81
FISH AND WILDLIFE	47	1	48
FORESTRY	73		73
HORTICULTURE	82	3	85
SOILS AND SOIL SCIENCE	81	2	83
PHYTOPATHOLOGY	87	5	92
AGRICULTURE,GENERAL	5		5
AGRICULTURE,OTHER	173	6	179
MEDICAL SCIENCES	511	81	592
MEDICINE AND SURGERY	4		4
PUBLIC HEALTH	54	16	70
VETERINARY MEDICINE	44		44
HOSPITAL ADMINISTRATION	10	1	11
PATHOLOGY	77	10	87
PHARMACOLOGY	164	23	187
PHARMACY	55	2	57
MEDICAL SCIENCES, GENERAL	13		13
MEDICAL SCIENCES, OTHER	90	29	119
ENVIRONMENTAL SCIENCES	63	7	70

(1) "Biomedical Sciences" in Table 2

(2) "Other Biosciences" in Table 2

SUBFIELD OF DOCTORATE	NUMBER OF DOCTORATES		
	MEN	WOMEN	TOTAL
SOCIAL SCIENCES (INCL PSYCH)	**4541**	**1049**	**5590**
ANTHROPOLOGY	187	73	260
COMMUNICATIONS (3)	113	27	140
SOCIOLOGY	500	138	638
ECONOMICS	806	57	863
ECONOMETRICS	31	1	32
STATISTICS (3)	80	5	85
GEOGRAPHY (3)	165	12	177
AREA STUDIES (3)	27	7	34
POLITICAL SCIENCE,PUBLIC ADMIN	715	84	799
INTERNATIONAL RELATIONS	102	10	112
URBAN AND REG PLANNING (3)	45	7	52
SOCIAL SCIENCES,GENERAL (3)	18	3	21
SOCIAL SCIENCES,OTHER (3)	95	20	115
PSYCHOLOGY	1657	605	2262
CLINICAL	509	162	671
COUNSELING AND GUIDANCE	107	44	151
DEVELOP AND GERONTOL	66	68	134
EDUCATIONAL	82	45	127
SCHOOL PSYCHOLOGY	55	32	87
EXPERIMENTAL	279	73	352
COMPARATIVE	17	4	21
PHYSIOLOGICAL	95	26	121
INDUSTRIAL AND PERSONNEL	53	2	55
PERSONALITY	29	22	51
PSYCHOMETRICS	22	3	25
SOCIAL	137	46	183
PSYCHOLOGY,GENERAL	93	36	129
PSYCHOLOGY,OTHER	113	42	155
ARTS AND HUMANITIES	**3430**	**1271**	**4701**
ART, FINE AND APPLIED (4)	6	1	7
ART, HISTORY AND CRITICISM (4)	41	40	81
HISTORY,AMERICAN	423	69	492
HISTORY,EUROPEAN	295	57	352
HISTORY,GENERAL AND OTHER	248	54	302
HISTORY AND PHILOSOPHY OF SCIENCE	36	3	39
MUSIC (4)	174	46	220
SPEECH AS A DRAMATIC ART (4)	201	47	248
ARCHEOLOGY (4)	9	9	18
PHILOSOPHY (4)	307	41	348
LINGUISTICS (4)	110	48	158
AMERICAN LANG AND LIT	166	72	238
ENGLISH LANG AND LIT	722	403	1125
GERMAN LANG AND LIT	115	58	173
RUSSIAN LANG AND LIT	31	18	49
FRENCH LANG AND LIT	124	120	244
SPANISH AND PORTUGUESE LANG AND LIT	139	82	221
ITALIAN LANG AND LIT	17	8	25
CLASSICAL LANG AND LIT	80	26	106
ALL OTHER MODERN LANGUAGES	83	16	99
ARTS AND HUMANITIES,GENERAL (4)	11	6	17
ARTS AND HUMANITIES,OTHER (4)	92	47	139
PROFESSIONAL FIELDS	**1322**	**184**	**1506**
RELIGION AND THEOLOGY	315	27	342
BUSINESS ADMINISTRATION	735	16	751
HOME ECONOMICS	3	30	33
JOURNALISM	25		25
SPEECH AND HEARING SCIENCES	89	42	131
LAW,JURISPRUDENCE	36	3	39
SOCIAL WORK	75	38	113
LIBRARY AND ARCHIVAL SCIENCE	30	27	57
PROFESSIONAL FIELDS,OTHER	14	1	15

SUBFIELD OF DOCTORATE	NUMBER OF DOCTORATES		
	MEN	WOMEN	TOTAL
EDUCATION	**5435**	**1644**	**7079**
FOUNDATIONS,SOCIAL,PHILOS	251	57	308
EDUCATIONAL PSYCHOLOGY	313	148	461
ELEMENTARY EDUCATION, GENERAL	174	164	338
SECONDARY EDUCATION, GENERAL	176	45	221
HIGHER EDUCATION	170	38	208
ADULT EDUC AND EXTENSION EDUC	75	26	101
EDUCATIONAL MEAS AND STATISTICS	103	25	128
CURRICULUM AND INSTRUCTION	171	104	275
EDUCATIONAL ADMIN AND SUPERVISION	1530	149	1679
GUIDANCE,COUNS,STUDENT PERSONNEL	569	192	761
SPECIAL EDUC,GIFTED,HANDICAPPED,ETC	187	104	291
AUDIO-VISUAL MEDIA	102	18	120
AGRICULTURE	41		41
ART	51	14	65
BUSINESS	64	30	94
ENGLISH	69	33	102
FOREIGN LANGUAGE	19	10	29
HOME ECONOMICS	2	29	31
INDUSTRIAL ARTS	81	2	83
MATHEMATICS	130	22	152
MUSIC	106	23	129
PHYS ED, HEALTH, AND REC	302	112	414
SCIENCE EDUCATION	174	36	210
SOCIAL SCIENCE EDUCATION	68	15	83
VOCATIONAL EDUCATION	99	5	104
OTHER TEACHING FIELDS	83	79	162
EDUCATION,GENERAL	169	65	234
EDUCATION,OTHER	152	101	253
OTHER AND UNSPECIFIED	**142**	**17**	**159**

SOURCE: NRC, Office of Scientific Personnel, Doctorate Records File

(3) "Other Social Sciences" in Table 2

(4) "Other Arts & Humanities" in Table 2

TABLE 2
STATISTICAL PROFILE OF FY 1972 DOCTORATE RECIPIENTS, BY FIELD OF DOCTORATE

	FY 1972 TOTAL	PHYSICS AND ASTRONOMY	CHEMISTRY	EARTH SCIENCES	PHYSICAL SCIENCES	MATHEMATICS	ENGINEERING	END FIELDS	BASIC MEDICAL SCIENCES (1)	OTHER BIOSCIENCES (2)	BIOSCIENCES	MEDICAL SCIENCES	AGRICULTURAL SCIENCES	ENVIRONMENTAL SCIENCES
NUMBER IN FIELD	33001	1635	2011	580	4226	1281	3475	8982	1831	1475	3306	592	1016	70
MALE %	84.0	97.2	90.0	96.4	93.6	92.5	99.4	95.7	78.7	85.1	81.5	86.3	96.8	90.0
FEMALE %	16.0	2.8	10.0	3.6	6.4	7.5	.6	4.3	21.3	14.9	18.5	13.7	3.2	10.0
U.S. CITIZENSHIP %	83.1	78.2	79.8	79.0	79.0	80.4	66.3	74.3	84.3	82.0	83.2	74.0	62.8	84.3
FOREIGN CITIZENSHIP %	14.8	20.2	18.4	19.7	19.3	18.2	32.7	24.3	13.7	15.7	14.5	21.8	36.6	14.3
UNKNOWN %	2.0	1.6	1.8	1.4	1.7	1.4	1.0	1.4	2.1	2.4	2.2	4.2	.6	1.4
MARRIED %	74.5	69.7	71.7	79.3	72.0	72.1	77.5	74.1	70.9	76.9	73.6	75.8	82.9	85.7
NOT MARRIED %	21.8	26.7	25.3	17.1	24.7	25.3	19.5	22.8	25.8	19.6	23.0	19.4	14.8	14.3
UNKNOWN %	3.7	3.5	3.0	3.6	3.3	2.6	2.9	3.1	3.2	3.5	3.4	4.7	2.4	.0
MEDIAN AGE AT DOCTORATE	31.1	29.0	28.3	30.5	28.9	28.9	30.1	29.3	29.1	29.9	29.4	30.6	31.2	31.8
PERCENT WITH BACC IN SAME FIELD AS DOCTORATE	59.8	78.5	84.6	58.3	78.6	75.0	85.8	80.9	14.7	66.0	37.6	34.1	70.9	.0
PERCENT WITH MASTERS	80.1	62.1	37.8	79.0	52.8	80.2	90.9	71.5	47.7	74.2	59.5	59.6	89.4	91.4
MEDIAN TIME LAPSE FROM BACC TO DOCT														
TOTAL TIME YRS	8.2	6.8	5.9	7.9	6.5	6.7	7.5	6.9	6.5	7.0	6.7	7.4	7.7	8.9
REGISTERED TIME YRS	5.8	6.0	5.2	6.0	5.6	5.5	5.5	5.5	5.5	5.7	5.6	5.6	5.5	5.4
POSTDOCTORAL STUDY %														
FELLOWSHIP	7.4	12.8	24.8	9.1	18.0	5.0	5.1	11.1	36.6	17.6	28.1	19.6	4.6	4.3
RESEARCH ASSOC	6.0	26.6	22.5	11.6	22.6	3.3	7.5	14.0	15.3	10.6	13.2	7.1	7.1	2.9
TRAINEESHIP	.7	.2	1.4	.0	.8	.4	.4	.6	3.5	.8	2.3	1.7	1.0	2.9
OTHER	1.4	1.9	1.9	.5	1.7	1.1	.8	1.3	5.2	1.4	3.5	6.1	.7	.0
POSTDOCTORAL EMPLOYMENT %														
EDUC INSTITUTION	55.3	23.1	18.2	39.3	23.0	66.4	24.5	29.8	20.8	41.4	30.0	36.0	45.2	32.9
INDUSTRY/BUSINESS	7.7	8.9	13.8	15.5	12.1	7.8	35.2	20.5	2.7	4.3	3.4	5.2	10.4	15.7
GOVERNMENT	8.7	12.2	7.2	15.3	10.2	6.2	14.9	11.5	4.6	10.6	7.3	9.0	18.1	21.4
NONPROFIT	2.7	1.0	.9	1.0	1.0	.9	1.8	1.3	2.8	1.7	2.3	3.5	1.7	5.7
OTHER & UNKNOWN	3.2	4.0	2.8	2.4	3.2	3.4	4.4	3.7	2.2	4.0	3.0	2.9	6.0	10.0
POSTDOCT STATUS UNKN %	6.9	9.2	6.4	5.2	7.3	5.5	5.4	6.3	6.1	7.7	6.8	9.0	5.2	4.3
POSTDOCT WORK ACTIVITY %														
PRIMARY ACTIVITY														
R & D	21.5	50.0	47.9	45.7	48.3	26.0	58.8	49.1	37.9	32.6	34.8	35.5	49.8	31.7
TEACHING	53.0	33.6	35.4	40.0	35.7	64.4	24.1	35.5	43.2	50.4	47.5	43.0	27.3	28.3
ADMINISTRATION	9.8	2.2	2.7	1.6	2.3	.7	2.7	2.2	3.1	3.0	3.0	3.9	3.3	11.7
PROF. SERVICES	7.1	2.2	2.2	5.4	2.9	1.7	5.4	3.8	7.2	4.6	5.7	7.5	6.5	10.0
OTHER	1.7	2.0	3.2	2.6	2.6	1.2	3.0	2.6	.7	1.5	1.2	.9	3.9	6.7
ACTIVITY UNKNOWN	6.8	9.9	8.6	4.7	8.3	6.1	6.0	6.8	7.9	7.9	7.9	9.3	9.2	11.7
SECONDARY ACTIVITY														
R & D	24.7	16.3	16.2	26.7	18.4	39.0	18.7	22.3	28.7	29.2	29.0	30.4	18.6	18.3
TEACHING	8.5	9.3	6.8	7.3	7.9	10.8	8.9	8.9	13.6	8.9	10.8	16.4	16.2	8.3
ADMINISTRATION	6.6	6.2	8.2	7.5	7.3	2.3	7.6	6.5	7.2	4.6	5.7	6.9	6.2	11.7
PROF. SERVICES	5.1	2.6	2.6	4.4	3.0	2.0	4.8	3.7	2.6	4.7	3.9	6.3	6.7	5.0
OTHER	1.1	.6	.6	1.4	.8	.3	.7	.7	.5	.2	.3	.4	1.8	.0
NO SECONDARY ACITVITY	47.3	55.1	57.0	48.0	54.4	39.5	53.4	51.2	39.4	44.6	42.5	30.1	41.5	45.0
UNKNOWN	6.8	9.9	8.6	4.7	8.3	6.1	5.9	6.8	7.9	7.8	7.8	9.3	9.1	11.7
POSTDOCT REGION OF EMPLOYMENT														
NEW ENGLAND	5.2	6.2	5.5	3.7	5.4	6.4	4.7	5.2	4.1	4.2	4.1	4.2	2.7	5.0
MIDDLE ATLANTIC	13.3	11.7	13.8	11.5	12.5	13.4	13.1	13.0	13.3	9.1	10.8	12.8	4.0	13.3
EAST NO CENTRAL	13.7	7.7	13.3	8.4	10.2	13.2	11.9	11.5	12.5	10.6	11.4	11.6	7.5	13.3
WEST NO CENTRAL	5.8	3.5	4.8	4.2	4.2	5.6	3.2	4.0	7.1	5.8	6.3	8.4	6.5	1.7
SOUTH ATLANTIC	12.6	14.8	13.8	11.5	13.7	9.9	10.7	11.6	13.3	12.2	12.6	13.1	14.1	16.7
EAST SO CENTRAL	4.1	3.5	3.8	2.6	3.4	3.8	3.5	3.5	4.3	3.7	3.9	6.6	4.8	3.3
WEST SO CENTRAL	6.1	3.3	4.9	9.4	5.2	6.5	6.1	5.9	7.6	4.7	5.8	7.5	5.9	6.7
MOUNTAIN	4.4	4.8	3.6	10.1	5.4	3.4	5.1	4.9	3.0	5.9	4.7	2.4	4.0	1.7
PACIFIC & INSULAR	9.4	10.8	5.6	12.2	8.9	7.7	10.4	9.4	5.9	8.2	7.3	8.1	6.2	5.0
FOREIGN	8.0	10.3	8.5	11.2	9.7	8.8	9.9	9.6	9.9	10.8	10.4	10.7	24.7	6.7
REGION UNKNOWN	17.4	23.4	22.5	15.2	21.4	21.3	21.4	21.4	19.2	24.8	22.5	14.6	19.6	26.7

Refer to explanatory notes on page 4.
(1) (2) (3) (4) See footnotes to Table 1, Pages 6 and 7.

TABLE 2. CONTINUED

LIFE SCIENCES	PSYCHOLOGY	ECONOMICS	ANTHROPOLOGY & SOCIOLOGY	POLIT SCI, PUBLIC ADMIN, INTERN'L REL	OTHER SOCIAL SCIENCES (3)	SOCIAL SCIENCES INCL. PSYCHOL.	TOTAL SCIENCES	HISTORY	ENG AND AMER LANG & LIT	FOREIGN LANG & LIT	OTHER ARTS & HUMANITIES (4)	ARTS & HUMANITIES	PROFESSIONAL FIELDS	EDUCATION	OTHER OR UNSPEC.FIED	TOTAL NON-SCIENCES
4984	2262	895	898	911	624	5590	19556	1185	1363	917	1236	4701	1506	7079	159	13445
85.3	73.3	93.5	76.5	89.7	87.0	81.2	88.9	84.6	65.2	64.2	76.9	73.0	87.8	76.8	89.3	76.8
14.7	26.7	6.5	23.5	10.3	13.0	18.8	11.1	15.4	34.8	35.8	23.1	27.0	12.2	23.2	10.7	23.2
78.0	92.9	72.4	85.6	81.6	78.0	84.9	78.3	92.6	94.2	84.2	87.9	89.8	84.1	93.2	24.5	90.2
19.9	5.7	25.3	11.8	15.3	19.4	12.9	19.9	5.7	4.2	15.5	9.5	8.1	13.2	5.8	4.4	7.5
2.1	1.4	2.3	2.6	3.2	2.6	2.1	1.8	1.8	1.6	2.3	2.6	2.0	2.7	1.0	71.1	2.4
75.9	70.8	76.4	72.9	75.9	76.1	73.5	74.4	74.1	68.0	65.2	67.2	68.8	76.2	79.6	17.6	74.7
20.8	25.1	19.8	23.1	19.3	19.9	22.4	22.2	22.7	29.1	31.2	28.3	27.7	19.5	17.6	5.0	21.2
3.3	4.1	3.8	4.0	4.8	4.0	4.2	3.4	3.2	2.9	3.6	4.4	3.5	4.4	2.7	77.4	4.1
29.9	29.3	29.9	31.0	31.2	32.2	30.2	29.7	31.3	31.3	32.1	32.0	31.6	33.7	36.8	31.5	34.4
43.4	66.4	55.5	51.0	59.4	37.0	57.8	64.7	67.0	76.5	66.5	50.6	65.3	39.2	46.7	75.5	52.7
66.1	76.1	75.3	82.3	84.9	90.7	80.0	72.5	87.4	90.1	84.0	82.2	86.2	88.2	96.5	30.2	91.2
7.0	6.6	7.4	8.0	8.4	8.9	7.5	7.1	8.7	8.7	8.6	9.0	8.7	10.5	12.5	7.4	10.8
5.6	5.4	5.5	6.0	6.0	5.8	5.6	5.6	6.4	5.9	6.3	6.2	6.2	6.2	6.2	6.1	6.2
22.0	7.0	1.2	2.8	2.1	1.6	4.0	11.9	1.9	.8	1.4	1.5	1.4	.8	.6	1.3	.9
11.1	2.4	2.3	1.1	2.0	2.4	2.1	9.9	.3	.1	.3	.5	.3	.2	.4	.0	.3
2.0	1.6	.1	.2	.0	.2	.7	1.0	.1	.1	.3	.1	.1	.3	.3	.6	.3
3.2	1.2	1.1	.8	.3	1.1	1.0	1.7	1.1	1.3	1.7	1.9	1.5	.7	.7	.6	1.0
33.8	46.6	65.3	81.5	72.3	69.4	61.9	40.0	78.1	85.5	81.7	80.0	81.5	72.7	77.7	7.5	77.6
5.2	3.8	6.0	1.3	2.0	4.8	3.6	11.8	1.4	1.3	.9	1.1	1.2	5.1	1.4	3.1	1.8
9.9	18.8	10.8	2.4	7.2	7.7	11.8	11.1	4.1	.3	1.0	1.5	1.7	5.2	7.5	3.1	5.2
2.4	7.3	3.5	2.1	2.5	3.4	4.6	2.5	1.1	.4	.7	1.5	.9	7.1	3.5	.6	3.0
3.7	4.3	4.2	1.3	2.7	2.7	3.4	3.6	2.9	2.6	3.2	2.3	2.7	1.9	2.9	.0	2.7
6.7	6.9	5.4	6.3	8.8	6.7	6.9	6.6	9.1	7.4	8.8	9.5	8.7	6.0	5.0	83.0	7.3
39.3	15.9	26.4	14.2	9.6	5.1	16.2	35.5	4.4	1.5	2.5	4.1	3.1	7.1	7.2	39.1	5.9
40.5	38.8	60.6	76.4	70.4	68.9	57.5	44.2	80.5	89.5	86.0	85.5	85.5	68.5	47.3	43.5	62.8
3.4	3.6	2.5	2.3	6.8	4.9	3.9	3.0	4.2	1.1	1.0	2.4	2.2	8.7	28.8	17.4	17.4
6.2	34.6	2.9	.9	1.6	4.7	14.7	8.2	1.5	.7	1.2	.8	1.1	7.1	8.9	.0	6.0
2.1	1.4	1.6	.6	2.1	1.5	1.4	2.1	1.9	.8	.4	1.7	1.2	2.3	1.1	.0	1.3
8.5	5.7	6.1	5.6	9.4	4.9	6.3	7.0	7.3	6.4	8.9	5.4	6.9	6.3	6.7	.0	6.7
25.8	31.6	36.7	43.5	33.8	34.8	35.2	27.6	33.8	27.6	33.0	28.0	30.3	27.3	14.7	21.7	21.5
13.0	14.3	8.8	6.6	5.2	8.0	9.9	10.1	2.8	1.4	1.7	3.7	2.4	6.5	9.6	4.3	6.8
6.1	5.5	4.4	3.6	4.8	5.8	4.9	5.9	4.9	5.0	3.7	7.7	5.4	6.8	8.7	13.0	7.4
5.0	7.4	2.2	2.8	2.5	4.6	4.6	4.3	1.7	1.0	1.0	3.2	1.7	8.0	8.3	4.3	6.0
.8	1.1	.7	1.0	.8	1.1	1.0	.8	1.0	2.4	.4	2.4	1.7	1.4	1.1	.0	1.4
40.7	34.5	41.0	36.8	43.6	40.8	38.2	44.5	48.6	56.2	51.3	49.6	51.6	43.7	50.9	56.5	50.3
8.5	5.7	6.1	5.6	9.4	4.9	6.3	6.9	7.2	6.4	8.9	5.4	6.8	6.3	6.6	.0	6.7
3.7	5.1	6.2	6.1	7.0	3.3	5.6	5.1	6.1	6.9	9.0	6.7	7.1	6.6	4.2	.0	5.4
9.0	17.0	12.8	14.4	12.5	15.7	15.0	12.9	14.5	16.0	14.5	15.1	15.1	11.9	13.0	43.5	13.7
10.3	14.6	11.8	18.6	13.4	14.6	14.6	12.4	13.2	15.0	14.6	14.8	14.4	17.0	15.4	8.7	15.2
6.5	5.0	4.2	5.6	4.6	6.0	5.0	4.9	5.5	5.0	6.9	7.3	6.1	6.1	7.4	4.3	6.8
13.2	12.4	19.9	11.3	16.7	13.5	14.3	12.9	13.9	11.1	8.9	12.1	11.6	14.8	12.2	4.3	12.3
4.5	3.4	2.4	3.5	2.7	3.6	3.2	3.6	4.0	4.7	3.0	3.8	4.0	5.3	4.9	.0	4.6
6.1	5.7	4.9	5.1	4.6	5.1	5.2	5.7	5.7	7.2	4.2	4.6	5.6	6.5	7.2	4.3	6.6
4.2	3.4	2.9	4.5	3.0	4.0	3.5	4.3	2.3	4.6	4.5	3.1	3.6	4.4	5.4	.0	4.7
7.0	10.1	9.7	10.7	12.1	11.8	10.7	9.4	9.5	7.4	9.6	10.4	9.1	8.7	9.6	4.3	9.4
14.7	4.4	16.7	10.8	11.1	10.9	9.4	10.6	4.8	3.7	4.6	6.9	5.0	9.5	4.4	8.7	5.2
20.8	18.8	8.6	9.3	12.4	11.5	13.6	18.5	20.5	18.4	20.2	15.2	18.5	9.2	16.2	21.7	16.2

SOURCE: NRC, Office of Scientific Personnel, Doctorate Records File

TABLE 2
STATISTICAL PROFILE OF FY 1972 DOCTORATE RECIPIENTS, BY FIELD OF DOCTORATE: WOMEN

	FY 1972 TOTAL	PHYSICS AND ASTRONOMY	CHEMISTRY	EARTH SCIENCES	PHYSICAL SCIENCES	MATHEMATICS	ENGINEERING	EMP FIELDS	BASIC MEDICAL SCIENCES (1)	OTHER BIOSCIENCES (2)	BIOSCIENCES	MEDICAL SCIENCES	AGRICULTURAL SCIENCES	ENVIRONMENTAL SCIENCES
NUMBER IN FIELD	33001	1635	2011	580	4226	1281	3475	8982	1831	1475	3306	592	1016	70
TOTAL FEMALE	5282	46	202	21	269	96	21	386	390	220	610	81	33	7
% FEMALE	16.0	2.8	10.0	3.6	6.4	7.5	.6	4.3	21.3	14.9	18.5	13.7	3.2	10.0
U.S. CITIZENSHIP %	87.5	52.2	67.3	66.7	64.7	79.2	71.4	68.7	85.6	79.1	83.3	81.5	39.4	71.4
FOREIGN CITIZENSHIP %	10.6	47.8	29.7	23.8	32.3	18.8	28.6	28.8	12.6	18.2	14.6	17.3	57.6	28.6
UNKNOWN %	1.8	.0	3.0	9.5	3.0	2.1	.0	2.6	1.8	2.7	2.1	1.2	3.0	.0
MARRIED %	54.6	67.4	59.4	57.1	60.6	68.8	76.2	63.5	55.6	58.6	56.7	42.0	66.7	71.4
NOT MARRIED %	42.5	32.6	37.1	33.3	36.1	29.2	23.8	33.7	41.3	37.3	39.8	56.8	27.3	28.6
UNKNOWN %	2.9	.0	3.5	9.5	3.3	2.1	.0	2.8	3.1	4.1	3.4	1.2	6.1	.0
MEDIAN AGE AT DOCTORATE	32.9	28.4	28.5	29.7	28.6	28.6	29.1	28.6	28.7	29.6	29.0	33.7	30.8	30.0
PERCENT WITH BACC IN SAME FIELD AS DOCTORATE	53.9	82.6	81.7	61.9	80.3	87.5	52.4	80.6	14.4	64.5	32.5	35.8	42.4	.0
PERCENT WITH MASTERS	83.4	87.0	47.0	47.6	53.9	83.3	95.2	63.5	45.9	67.3	53.6	67.9	72.7	85.7
MEDIAN TIME LAPSE FROM BACC TO DOCT														
TOTAL TIME YRS	9.7	6.9	6.4	7.1	6.6	6.9	7.4	6.7	6.5	7.3	6.8	9.7	9.0	7.0
REGISTERED TIME YRS	6.0	5.8	5.3	5.7	5.4	5.4	6.0	5.4	5.5	5.6	5.5	5.8	6.0	6.0
POSTDOCTORAL STUDY %														
FELLOWSHIP	6.2	8.7	22.3	19.0	19.7	5.2	.0	15.0	36.2	21.4	30.8	16.0	3.0	.0
RESEARCH ASSOC	3.6	26.1	18.9	19.0	16.4	5.2	.0	12.7	14.6	12.3	13.8	8.6	21.2	28.6
TRAINEESHIP	1.0	.0	2.5	.0	1.9	.0	.0	1.3	3.1	1.4	2.5	2.5	6.1	14.3
OTHER	1.7	4.3	2.5	.0	2.6	2.1	.0	2.3	3.1	.9	2.3	2.5	.0	.0
POSTDOCTORAL EMPLOYMENT %														
EDUC INSTITUTION	63.6	32.6	31.2	33.3	31.6	70.8	33.3	41.5	23.6	38.2	28.9	42.0	48.5	14.3
INDUSTRY/BUSINESS	2.3	4.3	7.9	4.8	7.1	2.1	23.8	6.7	1.0	.9	1.0	1.2	.0	.0
GOVERNMENT	4.3	4.3	3.0	.0	3.0	1.0	14.3	3.1	2.3	3.6	2.8	6.2	6.1	14.3
NONPROFIT	3.3	.0	1.5	.0	1.1	1.0	.0	1.0	3.8	2.3	3.3	8.6	3.0	.0
OTHER & UNKNOWN	5.6	13.0	4.5	4.8	5.9	10.4	14.3	7.5	5.1	6.4	5.6	7.4	6.1	28.6
POSTDOCT STATUS UNKN %	8.4	6.5	10.9	19.0	10.8	2.1	14.3	8.8	7.2	12.7	9.2	4.9	6.1	.0
POSTDOCT WORK ACTIVITY %														
PRIMARY ACTIVITY														
R & D	10.7	24.0	32.0	22.2	29.8	11.0	66.7	26.0	32.9	23.9	28.9	26.4	42.9	.0
TEACHING	63.1	56.0	53.6	66.7	55.0	75.6	22.2	59.7	45.7	53.1	49.0	49.1	42.9	25.0
ADMINISTRATION	6.5	.0	.0	.0	.0	.0	.0	.0	.7	2.7	1.6	1.9	.0	.0
PROF. SERVICES	9.2	4.0	2.1	.0	2.3	.0	.0	1.3	5.7	5.3	5.5	3.8	.0	.0
OTHER	1.3	.0	3.1	.0	2.3	1.2	.0	1.7	.7	.0	.4	3.8	.0	.0
ACTIVITY UNKNOWN	9.2	16.0	9.3	11.1	10.7	12.2	11.1	11.3	14.3	15.0	14.6	15.1	14.3	75.0
SECONDARY ACTIVITY														
R & D	25.0	36.0	23.7	33.3	26.7	48.8	16.7	33.8	25.0	30.1	27.3	26.4	23.8	.0
TEACHING	7.3	12.0	7.2	.0	7.6	4.9	22.2	7.8	12.9	4.4	9.1	18.9	9.5	.0
ADMINISTRATION	5.6	.0	3.1	.0	2.3	1.2	5.6	2.2	3.6	3.5	3.6	3.8	4.8	.0
PROF. SERVICES	5.3	.0	2.1	.0	1.5	.0	.0	.9	2.9	4.4	3.6	5.7	.0	.0
OTHER	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	.0	.0
NO SECONDARY ACITVITY	46.3	36.0	56.6	55.6	51.1	32.9	44.4	44.2	41.4	42.5	41.9	28.3	47.6	25.0
UNKNOWN	9.2	16.0	9.3	11.1	10.7	12.2	11.1	11.3	14.3	15.0	14.6	15.1	14.3	75.0
POSTDOCT REGION OF EMPLOYMENT														
NEW ENGLAND	5.9	4.0	3.1	.0	3.1	6.1	.0	3.9	3.6	6.2	4.7	3.8	4.8	.0
MIDDLE ATLANTIC	16.1	8.0	11.3	11.1	10.7	22.0	5.6	14.3	12.9	6.2	9.9	22.6	4.8	.0
EAST NO CENTRAL	11.8	4.0	8.2	11.1	7.6	8.5	16.7	8.7	8.6	12.4	10.3	1.9	4.8	25.0
WEST NO CENTRAL	4.6	.0	3.1	.0	2.3	2.4	.0	2.2	5.7	4.4	5.1	5.7	.0	.0
SOUTH ATLANTIC	10.5	8.0	14.4	.0	12.2	1.2	5.6	7.8	10.0	6.2	8.3	9.4	4.8	25.0
EAST SO CENTRAL	3.6	8.0	.0	.0	1.5	2.4	11.1	2.6	2.9	2.7	2.8	5.7	.0	.0
WEST SO CENTRAL	5.9	8.0	4.1	.0	4.6	6.1	.0	4.8	6.4	1.8	4.3	7.5	.0	.0
MOUNTAIN	3.6	.0	4.1	.0	3.1	.0	5.6	2.2	2.9	5.3	4.0	.0	.0	.0
PACIFIC & INSULAR	8.2	12.0	3.1	22.2	6.1	7.3	11.1	6.9	7.1	5.3	6.3	13.2	4.8	.0
FOREIGN	5.5	12.0	10.3	22.2	11.5	7.3	5.6	9.5	7.9	11.5	9.5	5.7	33.3	.0
REGION UNKNOWN	24.3	36.0	38.1	33.3	37.4	36.6	38.9	37.2	32.1	38.1	34.8	24.5	42.9	50.0

Refer to explanatory notes on page 4.
(1) (2) (3) (4) See footnotes to Table 1, pages 6 and 7.

TABLE 2. CONTINUED

LIFE SCIENCES	PSYCHOLOGY	ECONOMICS	ANTHROPOLOGY & SOCIOLOGY	POLIT SCI, PUBLIC ADMIN, INTERN'L REL	(3) OTHER SOCIAL SCIENCES	SOCIAL SCIENCES INCL. PSYCHOL.	TOTAL SCIENCES	HISTORY	ENG AND AMER LANG & LIT	FOREIGN LANG & LIT	(4) OTHER ARTS & HUMANITIES	ARTS & HUMANITIES	PROFESSIONAL FIELDS	EDUCATION	OTHER OR UNSPECIFIED	TOTAL NON-SCIENCES
4984	2262	895	898	911	624	5590	19556	1185	1363	917	1236	4701	1506	7079	159	13445
731	605	58	211	94	81	1049	2166	183	475	328	285	1271	184	1644	17	3116
14.7	26.7	6.5	23.5	10.3	13.0	18.8	11.1	15.4	34.8	35.8	23.1	27.0	12.2	23.2	10.7	23.2
81.0	92.2	81.0	85.3	89.4	84.0	89.3	82.8	92.9	94.7	83.2	85.3	89.4	88.0	92.8	35.3	90.8
17.0	6.8	17.2	11.8	3.2	14.8	8.7	15.1	6.0	4.0	15.2	12.6	9.1	9.8	6.1	5.9	7.6
2.1	1.0	1.7	2.8	7.4	1.2	2.0	2.1	1.1	1.3	1.5	2.1	1.5	2.2	1.1	58.8	1.6
55.7	59.3	58.6	54.0	54.3	54.3	57.4	57.9	57.4	55.6	54.6	47.7	53.8	49.5	51.9	17.6	52.4
41.0	37.9	37.9	41.7	37.2	44.4	39.1	38.8	40.4	42.7	43.0	48.4	43.7	45.7	46.4	17.6	45.1
3.3	2.8	3.4	4.3	8.5	1.2	3.5	3.3	2.2	1.7	2.4	3.9	2.4	4.9	1.7	64.7	2.5
29.2	30.0	29.8	31.5	30.2	33.3	30.5	29.6	33.6	32.4	31.8	32.2	32.3	39.1	39.4	39.0	36.4
33.0	59.0	62.1	49.3	51.1	23.5	53.8	51.5	47.8	76.2	70.1	45.6	66.6	32.1	49.3	76.5	55.5
56.4	76.5	84.5	81.0	83.0	90.1	79.5	68.8	89.6	93.3	86.3	87.0	89.5	97.3	96.7	41.2	93.5
7.0	7.4	7.7	8.9	8.6	10.0	8.0	7.4	10.3	9.6	8.8	9.4	9.4	15.9	14.4	12.5	12.0
5.6	5.5	5.4	6.3	6.2	6.2	5.8	5.6	7.2	6.1	6.4	6.5	6.4	6.2	6.3	7.0	6.3
27.6	4.8	.0	1.9	1.1	2.5	3.4	13.7	.5	1.3	.9	2.8	1.4	2.7	.5	.0	1.0
13.7	3.1	3.4	.9	4.3	1.2	2.7	8.2	.0	.0	.6	1.1	.4	.0	.5	.0	.4
2.7	2.3	.0	.5	.0	.0	1.4	1.8	.5	.2	.3	.0	.2	.5	.4	.0	.4
2.2	1.8	.0	2.8	.0	1.2	1.7	2.0	1.6	1.7	1.2	2.8	1.8	1.1	1.2	5.9	1.4
31.1	48.9	65.5	81.0	61.7	66.7	58.8	46.4	68.9	81.7	77.4	73.3	76.9	67.4	76.2	11.8	75.6
1.0	3.6	10.3	.5	3.2	4.9	3.4	3.2	2.7	2.1	.6	1.8	1.7	5.4	1.4	.0	1.8
3.4	11.7	3.4	3.3	2.1	8.6	8.5	5.8	1.1	.0	.3	2.1	.7	2.2	5.2	.0	3.2
3.8	9.3	3.4	1.9	5.3	1.2	6.5	4.6	2.2	.4	.0	2.1	.9	7.1	3.0	.0	2.4
6.0	6.6	10.3	1.4	4.3	4.9	5.4	6.0	8.7	4.4	7.6	3.9	5.7	6.0	5.1	.0	5.4
8.5	7.8	3.4	5.7	18.1	8.6	8.1	8.4	13.7	8.2	11.0	10.2	10.1	7.6	6.4	82.4	8.4
29.0	14.4	25.9	14.5	13.9	11.4	14.9	19.9	6.5	1.2	2.5	7.6	3.7	8.0	7.2	.0	5.9
48.3	39.0	63.0	74.2	66.7	61.4	52.1	52.5	72.5	87.9	83.0	82.7	83.3	60.5	58.6	.0	68.6
1.5	2.3	1.9	2.7	6.9	11.4	3.5	2.4	4.6	1.0	.0	1.3	1.3	8.0	14.0	.0	8.6
4.8	35.7	3.7	.0	.0	10.0	21.0	14.1	2.0	.7	.7	1.3	1.0	11.1	10.4	.0	6.7
.9	1.9	.0	1.1	4.2	.0	1.6	1.5	2.0	1.2	.0	.8	.9	2.5	1.3	.0	1.2
15.4	6.8	5.6	7.5	8.3	5.7	6.9	9.6	12.4	8.1	13.8	6.3	9.8	9.9	8.4	.0	9.0
26.6	28.7	40.7	40.3	34.7	32.9	32.8	31.5	27.5	25.7	30.9	27.8	27.7	20.4	17.3	50.0	21.7
10.6	14.2	3.7	8.1	6.9	10.0	11.3	10.6	5.2	1.2	1.4	4.6	2.6	4.9	8.0	.0	5.6
3.6	4.1	1.9	2.2	2.8	8.6	3.8	3.5	6.5	3.6	2.5	4.6	3.9	8.0	8.6	.0	6.7
3.6	7.0	3.7	2.2	.0	2.9	4.8	3.9	1.3	1.2	1.8	3.4	1.8	8.0	9.0	.0	6.1
.3	.6	.0	1.1	.0	2.9	.8	.6	.7	2.6	.4	2.1	1.6	.6	1.7	.0	1.6
39.9	38.6	44.4	38.7	47.2	37.1	39.6	40.4	47.1	57.7	49.3	51.1	52.6	48.1	47.0	50.0	49.3
15.4	6.8	5.6	7.5	8.3	5.7	6.9	9.6	11.8	8.1	13.8	6.3	9.7	9.9	8.4	.0	9.0
4.5	5.2	9.3	12.9	6.9	1.4	6.9	5.9	6.5	7.8	7.8	7.6	7.6	7.4	4.6	.0	6.0
11.5	19.8	22.2	19.4	16.7	28.6	20.3	17.3	14.4	16.9	14.5	12.7	15.0	16.7	15.7	.0	15.4
8.8	14.0	13.0	15.1	4.2	12.9	13.3	11.5	9.8	12.6	9.6	11.0	11.1	14.2	12.3	50.0	12.0
4.8	3.7	1.9	2.7	4.2	4.3	3.5	3.6	3.3	3.8	4.6	5.9	4.4	6.2	5.6	.0	5.2
8.5	10.3	16.7	7.5	13.9	2.9	9.8	9.2	13.1	11.4	8.9	12.2	11.2	11.7	11.1	.0	11.2
3.0	2.7	.0	3.2	2.8	2.9	2.7	2.7	3.9	5.2	2.5	2.1	3.7	3.1	4.5	.0	4.1
4.5	3.3	7.4	3.8	1.4	4.3	3.6	4.0	2.6	7.4	3.9	3.4	4.9	9.9	8.0	.0	6.9
3.0	2.1	1.9	4.3	1.4	4.3	2.7	2.7	3.9	2.4	3.9	3.0	3.1	.6	5.3	.0	4.1
7.3	12.2	3.7	11.8	18.1	11.4	12.0	10.1	5.9	6.7	8.2	8.9	7.4	7.4	7.0	.0	7.2
10.3	4.9	9.3	8.6	5.6	2.9	5.9	7.5	3.9	2.9	3.5	8.9	4.5	5.6	4.3	.0	4.4
33.8	21.9	14.8	10.8	25.0	24.3	19.5	25.7	32.7	23.0	32.6	24.5	27.2	17.3	21.7	50.0	23.6

SOURCE: NRC, Office of Scientific Personnel, Doctorate Records File

TABLE 3
PERCENTAGE OF FY 1972 DOCTORATE RECIPIENTS BY SOURCES OF SUPPORT IN GRADUATE SCHOOL BY SUMMARY FIELDS

SOURCES OF SUPPORT IN GRADUATE SCHOOL		DOCTORATE RECIPIENTS BY FIELD: PHYSICAL SCIENCES	ENGINEERING	LIFE SCIENCES	SOCIAL SCIENCES	ARTS AND HUMANITIES	PROF. FIELDS	EDUCATION	TOTAL
		MEN/WOMEN	MEN/WOMEN	MEN/WOMEN	MEN/WOMEN	MEN/WOMEN	MEN/WOMEN	MEN/WOMEN	MEN/WOMEN
NSF FELLOWSHIP	N	552/ 65	242/ 0	238/ 70	205/ 46	17/ 3	8/ 0	257/ 41	1519/ 225
	V%	11.1/18.5	7.2/ .0	5.9/10.2	4.8/ 4.7	.5/ .3	.6/ .0	5.0/ 2.7	5.8/ 4.6
	H%	36.3/28.9	15.9/ .0	15.7/31.1	13.5/20.4	1.1/ 1.3	.5/ .0	16.9/18.2	99.9/ 99.9
NSF TRAINEESHIP	N	634/ 30	409/ 2	267/ 42	207/ 42	16/ 9	4/ 0	20/ 4	1557/ 129
	V%	12.8/ 8.5	12.3/ 9.5	6.6/ 6.1	4.8/ 4.3	.5/ .8	.3/ .0	.4/ .3	5.9/ 2.6
	H%	40.7/23.3	26.3/ 1.6	17.1/32.6	13.3/32.6	1.0/ 7.0	.3/ .0	1.3/ 3.1	100.0/100.2
NIH FELLOWSHIP	N	132/ 17	31/ 0	375/ 100	334/ 134	2/ 3	22/ 14	23/ 25	919/ 293
	V%	2.7/ 4.8	.9/ .0	9.3/14.6	7.8/13.6	.1/ .3	1.8/ 8.0	.4/ 1.6	3.5/ 5.9
	H%	14.4/ 5.8	3.4/ .0	40.8/34.1	36.3/45.7	.2/ 1.0	2.4/ 4.8	2.5/ 8.5	100.0/ 99.9
NIH TRAINEESHIP	N	69/ 9	55/ 1	841/ 226	352/ 143	5/ 2	31/ 11	13/ 26	1366/ 418
	V%	1.4/ 2.6	1.6/ 4.8	20.8/33.1	8.2/14.5	.2/ .2	2.5/ 6.3	.3/ 1.7	5.2/ 8.5
	H%	5.1/ 2.2	4.0/ .2	61.6/54.1	25.8/34.2	.4/ .5	2.3/ 2.6	1.0/ 6.2	100.2/100.0
NDEA FELLOWSHIP	N	627/ 51	284/ 3	355/ 70	637/ 125	782/ 226	115/ 11	618/ 166	3418/ 652
	V%	12.6/14.5	8.5/14.3	8.8/13.2	14.9/12.7	24.2/19.0	9.3/ 6.3	12.0/10.8	13.0/ 13.2
	H%	18.3/ 7.8	8.3/ .5	10.4/10.7	18.6/19.2	22.9/34.7	3.4/ 1.7	18.1/25.5	100.0/100.1
AEC FELLOWSHIP	N	82/ 1	66/ 0	29/ 3	1/ 0	1/ 0	0/ 0	4/ 1	183/ 5
	V%	1.7/ .3	2.0/ .0	.7/ .4	.0/ .0	.0/ .0	.0/ .0	.1/ .1	.7/ .1
	H%	44.8/20.0	36.1/ .0	15.8/60.0	.5/ .0	.5/ .0	.0/ .0	2.2/20.0	99.9/100.0
NASA TRAINEESHIP	N	323/ 18	191/ 0	70/ 14	30/ 7	1/ 0	3/ 0	4/ 0	622/ 39
	V%	6.5/ 5.1	5.7/ .0	1.7/ 2.0	.7/ .7	.0/ .0	.2/ .0	.1/ .0	2.4/ .8
	H%	51.9/46.2	30.7/ .0	11.3/35.9	4.8/17.9	.2/ .0	.5/ .0	.6/ .0	100.0/100.0
GI BILL	N	227/ 1	216/ 0	339/ 5	441/ 7	366/ 5	167/ 2	1076/ 12	2832/ 32
	V%	4.6/ .3	6.5/ .0	8.4/ .7	10.3/ .7	11.3/ .4	13.5/ 1.1	20.9/ .8	10.8/ .6
	H%	8.0/ 3.1	7.6/ .0	12.0/15.6	15.6/21.9	12.9/15.6	5.9/ 6.3	38.0/37.5	100.0/100.0
OTHER FEDERAL SUPPORT	N	331/ 15	348/ 4	381/ 44	617/ 162	202/ 63	150/ 54	585/ 183	2614/ 525
	V%	6.7/ 4.3	10.4/19.0	9.4/ 6.4	14.4/16.5	6.2/ 5.3	12.1/31.0	11.4/12.0	10.0/ 10.6
	H%	12.7/ 2.9	13.3/ .8	14.6/ 8.4	23.6/30.9	7.7/12.0	5.7/10.3	22.4/34.9	100.0/100.2
WOODROW WILSON FELLOWSHIP	N	46/ 3	7/ 0	11/ 2	139/ 45	291/ 121	18/ 1	9/ 2	521/ 174
	V%	.9/ .9	.2/ .0	.3/ .3	3.2/ 4.6	9.0/10.2	1.5/ .6	.2/ .1	2.0/ 3.5
	H%	8.8/ 1.7	1.3/ .0	2.1/ 1.1	26.7/25.9	55.9/69.5	3.5/ .6	1.7/ 1.1	100.0/ 99.9
OTHER NATIONAL FELLOWSHIP	N	86/ 6	68/ 1	77/ 17	189/ 46	166/ 68	66/ 10	118/ 57	768/ 205
	V%	1.7/ 1.7	2.0/ 4.8	1.9/ 2.5	4.4/ 4.7	5.1/ 5.7	5.2/ 5.7	2.3/ 3.7	2.9/ 4.2
	H%	11.2/ 2.9	8.9/ .5	10.0/ 8.3	24.6/22.4	21.6/33.2	8.3/ 4.9	15.4/27.8	100.0/100.0
UNIVERSITY FELLOWSHIP	N	883/ 70	546/ 1	478/ 109	1060/ 238	1147/ 438	298/ 34	552/ 193	4964/ 1083
	V%	17.8/19.9	16.4/ 4.8	11.8/16.0	24.8/24.2	35.5/36.8	24.1/19.5	10.7/12.6	18.9/ 22.0
	H%	17.8/ 6.5	11.0/ .1	9.6/10.1	21.4/22.0	23.1/40.4	6.0/ 3.1	11.1/17.8	100.0/100.0
TEACHING ASSISTANTSHIP	N	3386/ 254	1252/ 12	1561/ 235	2268/ 441	2048/ 698	550/ 47	1703/ 464	12768/ 2151
	V%	68.2/72.4	37.5/57.1	38.6/34.4	53.0/44.8	63.3/58.7	44.4/27.0	33.1/30.3	48.6/ 43.6
	H%	26.5/11.8	9.8/ .6	12.2/10.9	17.8/20.5	16.0/32.5	4.3/ 2.2	13.3/21.6	99.9/100.1
RESEARCH ASSISTANTSHIP	N	2808/ 175	1892/ 13	1784/ 205	1560/ 328	387/ 121	275/ 28	982/ 227	9688/ 1097
	V%	56.5/49.9	56.7/61.9	44.1/30.0	36.4/33.3	12.0/10.2	22.2/16.1	19.1/14.8	36.9/ 22.2
	H%	29.0/16.0	19.5/ 1.2	18.4/18.7	16.1/29.9	4.0/11.0	2.8/ 2.6	10.1/20.7	99.9/100.1
EDUC. FUNDS OF INDUSTRY	N	310/ 17	379/ 3	77/ 10	90/ 12	46/ 15	92/ 9	98/ 35	1092/ 101
	V%	6.2/ 4.8	11.4/14.3	1.9/ 1.5	2.1/ 1.2	1.4/ 1.3	7.4/ 5.2	1.9/ 2.3	4.2/ 2.0
	H%	28.4/16.8	34.7/ 3.0	7.1/ 9.9	8.2/11.9	4.2/14.9	8.4/ 8.9	9.0/34.7	100.0/100.1
OTHER INSTITUTION FUNDS	N	294/ 26	249/ 3	316/ 59	573/ 149	390/ 169	182/ 34	587/ 210	2591/ 650
	V%	5.9/ 7.4	7.5/14.3	7.8/ 8.6	13.4/15.1	12.1/14.2	14.7/19.5	11.4/13.7	9.9/ 13.2
	H%	11.3/ 4.0	9.6/ .5	12.2/ 9.1	22.1/22.9	15.1/26.0	7.0/ 5.2	22.7/32.3	100.0/100.0
OWN EARNINGS	N	952/ 62	895/ 5	886/ 132	1741/ 392	1382/ 486	670/ 87	3207/ 915	9733/ 2079
	V%	19.2/17.7	26.8/23.8	21.9/19.3	40.7/39.8	42.7/40.9	54.1/50.0	62.4/59.8	37.1/ 42.2
	H%	9.8/ 3.0	9.2/ .2	9.1/ 6.3	17.9/18.9	14.2/23.4	6.9/ 4.2	32.9/44.0	100.0/100.0
SPOUSE'S EARNINGS	N	588/ 49	386/ 4	647/ 97	983/ 227	845/ 270	373/ 34	1312/ 360	5134/ 1041
	V%	11.8/14.0	11.6/19.0	16.0/14.2	23.0/23.1	26.1/22.7	30.1/19.5	25.5/23.5	19.6/ 21.1
	H%	11.5/ 4.7	7.5/ .4	12.6/ 9.3	19.1/21.8	16.5/25.9	7.3/ 3.3	25.6/34.6	100.1/100.0
FAMILY CONTRIBUTIONS	N	225/ 13	157/ 0	175/ 45	389/ 73	414/ 149	88/ 14	236/ 117	1682/ 411
	V%	4.5/ 3.7	4.7/ .0	4.3/ 6.6	9.1/ 7.4	12.8/12.5	7.1/ 8.0	4.5/ 7.6	6.4/ 8.3
	H%	13.4/ 3.2	9.3/ .0	10.4/10.9	23.1/17.8	24.6/36.3	5.2/ 3.4	13.9/28.5	99.9/100.1
BORROWINGS	N	324/ 6	240/ 0	343/ 31	671/ 109	615/ 147	212/ 17	934/ 212	3339/ 522
	V%	6.5/ 1.7	7.2/ .0	8.5/ 4.5	15.7/11.1	19.0/12.4	17.1/ 9.8	18.2/13.9	12.7/ 10.6
	H%	9.7/ 1.1	7.2/ .0	10.3/ 5.9	20.1/20.9	18.4/28.2	6.3/ 3.3	28.0/40.6	100.0/100.0
OTHER	N	185/ 16	179/ 1	202/ 28	317/ 70	222/ 100	102/ 23	312/ 120	1519/ 358
	V%	3.7/ 4.6	5.4/ 4.8	5.0/ 4.1	7.4/ 7.1	6.9/ 8.4	8.2/13.2	6.1/ 7.8	5.8/ 7.3
	H%	12.2/ 4.5	11.8/ .3	13.3/ 7.8	20.9/19.6	14.6/27.9	6.7/ 6.4	20.5/33.5	100.0/100.0
UNDUPLICATED TOTAL	N	4967/ 351	3338/ 21	4048/ 683	4280/ 984	3234/1189	1238/ 174	5143/1530	26248/ 4932

Refer to explanatory note on page 5.

SOURCE: NRC, Office of Scientific Personnel, Doctorate Records File

TABLE 4
NUMBER OF FY 1972 DOCTORATE RECIPIENTS BY STATE AND SUMMARY FIELD

STATE OF DOCTORAL INSTITUTION	NUMBER OF DOCTORATE RECIPIENTS BY FIELD																	
	PHYSICAL SCIENCES		ENGINEERING		LIFE SCIENCES		SOCIAL SCIENCES		ARTS AND HUMANITIES		PROF. FIELDS		EDUCATION		OTHER & UNSPEC.		TOTAL	
	MEN/	WOMEN	MEN/	WOMEN	MEN/	WOMEN	MEN/	WOMEN	MEN/	WOMEN	MEN/	WOMEN	MEN/	WOMEN	MEN/	WOMEN	MEN/	WOMEN
U.S. TOTAL	5142/	365	3454/	21	4253/	731	4541/	1049	3430/	1271	1322/	184	5435/	1644	142/	17	27719/	5282
ALABAMA	25/	3	18/	0	26/	5	21/	3	7/	9	20/	2	105/	32	0/	0	222/	54
ALASKA	2/	0	0/	0	1/	0	0/	0	0/	0	0/	0	0/	0	0/	0	3/	0
ARIZONA	66/	2	46/	1	49/	7	36/	13	22/	5	14/	0	94/	28	0/	0	327/	56
ARKANSAS	18/	2	13/	0	15/	3	12/	2	7/	0	20/	0	41/	9	1/	0	127/	16
CALIFORNIA	572/	43	523/	3	423/	99	479/	113	348/	130	112/	13	350/	103	89/	8	2896/	512
COLORADO	94/	3	73/	0	79/	9	91/	27	50/	20	27/	4	180/	48	0/	0	594/	111
CONNECTICUT	100/	7	33/	1	48/	16	80/	20	119/	56	25/	2	51/	15	0/	0	456/	117
DELAWARE	38/	1	17/	0	5/	1	10/	4	7/	0	0/	0	0/	2	0/	0	77/	8
D. C.	95/	8	35/	0	40/	18	86/	20	63/	28	55/	8	69/	28	0/	0	443/	110
FLORIDA	111/	3	49/	0	87/	7	85/	25	75/	29	20/	9	185/	59	0/	0	612/	132
GEORGIA	59/	2	41/	0	71/	7	76/	16	46/	14	42/	0	81/	26	0/	0	416/	65
HAWAII	16/	0	3/	0	27/	1	21/	2	7/	1	0/	0	1/	1	0/	0	75/	5
IDAHO	13/	1	4/	0	8/	2	4/	0	0/	0	0/	0	19/	7	0/	0	48/	10
ILLINOIS	291/	25	226/	1	227/	33	339/	88	227/	76	130/	19	319/	90	15/	2	1774/	334
INDIANA	165/	6	129/	0	159/	19	158/	22	142/	58	56/	5	293/	78	4/	0	1106/	188
IOWA	101/	2	83/	1	110/	6	101/	16	47/	16	24/	9	91/	22	2/	0	559/	72
KANSAS	67/	6	34/	1	82/	10	52/	6	36/	12	4/	2	57/	12	0/	0	332/	49
KENTUCKY	29/	3	4/	0	35/	5	39/	4	14/	5	0/	0	24/	7	0/	0	145/	24
LOUISIANA	50/	6	26/	0	71/	12	56/	10	67/	25	28/	5	67/	15	0/	0	365/	73
MAINE	3/	1	4/	0	6/	1	5/	0	4/	0	0/	0	4/	0	0/	0	26/	2
MARYLAND	106/	11	57/	1	102/	27	94/	21	53/	23	4/	1	86/	27	3/	1	505/	112
MASSACHUSETTS	367/	25	188/	3	134/	51	262/	68	200/	73	129/	10	193/	74	0/	0	1473/	304
MICHIGAN	211/	21	172/	0	220/	33	262/	49	155/	50	66/	11	348/	95	0/	2	1434/	261
MINNESOTA	55/	7	62/	1	105/	12	99/	17	84/	20	28/	2	79/	27	1/	0	513/	86
MISSISSIPPI	16/	2	12/	0	50/	7	27/	4	8/	6	7/	0	87/	27	0/	0	207/	46
MISSOURI	87/	6	83/	1	106/	17	99/	22	78/	31	34/	2	126/	34	0/	0	613/	113
MONTANA	10/	1	7/	0	21/	1	10/	0	2/	0	0/	0	15/	3	0/	0	65/	5
NEBRASKA	29/	2	6/	1	44/	5	20/	3	21/	3	6/	0	57/	13	0/	0	183/	27
NEVADA	9/	0	0/	0	0/	0	5/	3	2/	2	0/	0	0/	0	0/	0	16/	5
NEW HAMPSHIRE	25/	2	4/	0	20/	3	5/	3	0/	1	0/	0	0/	0	0/	0	54/	9
NEW JERSEY	148/	5	69/	0	71/	14	82/	9	107/	19	21/	3	50/	22	2/	0	550/	72
NEW MEXICO	40/	1	22/	0	9/	1	9/	4	25/	10	0/	0	52/	15	0/	0	157/	31
NEW YORK	535/	56	333/	2	378/	88	518/	203	417/	180	131/	33	470/	230	9/	2	2791/	794
NORTH CAROLINA	93/	5	60/	1	148/	24	131/	27	106/	39	24/	3	77/	23	1/	0	640/	122
NORTH DAKOTA	12/	0	0/	0	31/	0	8/	1	0/	2	0/	0	21/	5	0/	0	72/	8
OHIO	243/	14	155/	1	132/	16	184/	47	169/	57	58/	16	317/	86	4/	0	1262/	237
OKLAHOMA	53/	1	70/	1	90/	7	61/	5	27/	9	15/	1	122/	37	1/	0	439/	61
OREGON	79/	3	14/	0	110/	8	80/	17	33/	8	15/	0	146/	34	2/	0	479/	70
PENNSYLVANIA	262/	30	251/	0	179/	42	254/	51	172/	92	57/	15	325/	90	3/	0	1503/	320
RHODE ISLAND	80/	8	20/	0	26/	4	27/	5	27/	12	3/	0	0/	0	0/	0	183/	29
SOUTH CAROLINA	32/	2	14/	0	16/	0	21/	0	19/	4	3/	0	11/	2	1/	0	117/	8
SOUTH DAKOTA	3/	0	0/	0	14/	1	9/	3	0/	0	0/	0	18/	1	0/	0	44/	5
TENNESSEE	76/	1	34/	0	70/	9	83/	12	44/	17	11/	1	120/	23	0/	0	438/	63
TEXAS	249/	18	213/	1	162/	32	137/	32	96/	51	71/	4	253/	108	1/	1	1182/	247
UTAH	47/	2	49/	0	74/	11	61/	8	35/	6	12/	0	159/	23	0/	0	437/	50
VERMONT	8/	1	4/	0	6/	5	6/	1	1/	4	0/	0	0/	0	0/	0	25/	11
VIRGINIA	77/	4	66/	0	52/	10	19/	0	37/	6	5/	0	40/	11	0/	0	296/	31
WASHINGTON	92/	3	41/	0	107/	9	96/	19	61/	13	15/	0	64/	17	3/	1	479/	62
WEST VIRGINIA	15/	0	17/	0	29/	5	19/	2	3/	1	0/	0	31/	10	0/	0	114/	18
WISCONSIN	146/	9	68/	0	164/	28	98/	22	156/	47	30/	4	105/	22	0/	0	767/	132
WYOMING	22/	1	2/	0	14/	0	4/	0	0/	0	0/	0	32/	3	0/	0	74/	4
PUERTO RICO	0/	0	0/	0	0/	0	0/	0	4/	1	0/	0	0/	0	0/	0	4/	1

Refer to explanatory note on page 5.

SOURCE: NRC, Office of Scientific Personnel, Doctorate Records File

NSF Form 558 June 70
Budget Bureau No. 99R 0054
Approval Expires June 1972

SURVEY OF EARNED DOCTORATES

This form is to be returned to the GRADUATE DEAN, for forwarding to ..... Manpower Studies Branch, Office of Scientific Personnel, National Research Council, 2101 Constitution Avenue Washington, D. C. 20418

Please print or type.

A. Name in full: ..... (9-30)
(Last Name) (First Name) (Middle Name)

B. U.S. Social Security Number: (32-40) CR( ) Cross Reference: Maiden name or former name legally changed .....
___ ___ ___ - ___ ___ - ___ ___ ___ ___

C. Permanent address through which you could always be reached: (Care of, if applicable) .....
..... (Number) (Street) (City)
..... (State) (Or Country if not U.S.) ..... (Zip Code)

D. Date of birth: ..... (41-45) (Month) (Day) (Year) Place of birth: ..... (46-47) (State) (Or Country if not U.S.)

E. Sex: 1 ☐ Male 2 ☐ Female (48)

F. Marital status: 1 ☐ Married 2 ☐ Not married (including widowed, divorced) (49)

G. Citizenship: 0 ☐ U.S. native (11) ☐ U.S. naturalized
1 ☐ Non-U.S., Immigrant (Permanent Resident) 3 ☐ Non-U.S., Non-immigrant (Temporary Resident) (50)
If Non-U.S., indicate country of present citizenship ..... (51-52)

H. Number of dependents: Do not include yourself. (Dependent = someone related to you and receiving at least one half of his support from you) ..... (53)

EDUCATION

I. High school last attended: ..... (54-59)
(School Name) (City) (State)
Approximate size of graduating class: ..... (60-63)
Type of school: 0 ☐ Public 1 ☐ Private, denominational 2 ☐ Private, non-denominational (64)
Year of graduation from high school: ..... (65-66)

J. List in the table below all collegiate and graduate institutions you have attended including 2-year colleges. List chronologically, and include your doctoral institution as the last entry.

Institution Name	Location	Years Attended From	Years Attended To	Major Field Use Specialties List Name	Major Field Use Specialties List Number	Minor Field Number	Degree (if any) Type of Degree	Degree (if any) Granted Mo.	Degree (if any) Granted Yr.

K. Enter below the title of your doctoral dissertation and the most appropriate classification number and field, selected from the accompanying Specialties List.
Title: ..... Classify using Specialties List
..... Number Name of field
.... (62-64)

L. Name the department (or interdisciplinary committee, center, institute, etc.) of the university which supervised your doctoral program: ..... (65-70)

M. Name of your thesis adviser: (please print) ..... (12-29)
(Last Name) (First Name) (Middle Initial)

continued on next page

Please Do Not Write in This Space

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32-40 ss
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SURVEY OF EARNED DOCTORATES, Cont.

N. In the space in front of each source of support, indicate the approximate number of semesters you were supported by each of the listed sources during graduate school.

30 — NSF Fellowship
31 — NSF Traineeship
32 — NIH Fellowship
33 — NIH Traineeship
34 — AEC Fellowship
35 — NASA Traineeship
36 — NDEA Fellowship
37 — Other Federal support (specify) .....
38 — Woodrow Wilson Fellowship
39 — Other U.S. national fellowship (specify) .....
40 — GI Bill
41 — University fellowship
42 — Teaching Assistantship
43 — Research Assistantship
44 — Educational fund of industrial or business firm
45 — Other institutional funds (specify) .....
46 — Own earnings
47 — Spouse's earnings
48 — Family contributions
49 — Loans
50 — Other (specify) .....

O. Please check the space which most fully describes your status during the year immediately preceding the doctorate.

0 ☐ Held fellowship
1 ☐ Held assistantship
2 ☐ Held own research grant
3 ☐ Not employed
4 ☐ Part-time employed

Full-time Employed in: (Other than 0, 1, 2)

5 ☐ College or university, teaching
6 ☐ College or university, non-teaching
7 ☐ Elem. or sec. school, teaching
8 ☐ Elem. or sec. school, non-teaching
9 ☐ Industry or business
(11) ☐ Other (specify) .....
(12) ☐ Any other (specify) ..... (51)

P. How many years (full-time equivalent basis) of professional work experience did you have prior to the doctorate?

(include assistantships as professional experience) ..... (52-53)

Q. U.S. draft status:

0 ☐ Veteran, or in service; dates of active duty from ..... (year) to ..... (year)
1 ☐ Non-veteran; classification: .....
2 ☐ Reserve
3 ☐ Not applicable (54-58)

POSTGRADUATION PLANS

R. How well defined are your postdoctoral plans?

0 ☐ Have signed contract or made definite commitment
1 ☐ Am negotiating with a specific organization, or more than one
2 ☐ Am seeking appointment but have no specific prospects
3 ☐ Other (specify) ..... (59)

S. After graduation what are your immediate postdoctoral plans?

0 ☐ On a postdoctoral fellowship?
1 ☐ On a postdoctoral research associateship?
2 ☐ On a traineeship?
8 ☐ Other study (specify) .....

If you checked 0, 1, 2, or 8, please answer "T" and omit "U"

3 ☐ Employed? (other than 0, 1, 2)
4 ☐ Military service?
5 ☐ Other (specify) ..... (60)

If you checked 3, 4, or 5, please answer "U" and omit "T"

T. If you plan to be on a postdoctoral fellowship, associateship, or traineeship —

What is the purpose?

0 ☐ To add experience in your present field (61)
1 ☐ To change to a field different from that of the doctorate (Please enter number of new field from Specialties List .....) (62-64)

What is the source of support?

0 ☐ U.S. Government
1 ☐ College or university
2 ☐ Private foundation
3 ☐ Nonprofit, other than private foundation
4 ☐ Other (specify) ..... (65)

U. If you plan to be employed, enter military service, or other —

What will be the type of employer?

0 ☐ College or university
1 ☐ Elem. or sec. school
2 ☐ U.S. government
3 ☐ State or local government
4 ☐ Nonprofit organization
5 ☐ Industry or business
6 ☐ Self-employed
8 ☐ National laboratory
9 ☐ Foreign government
7 ☐ Other (specify) ..... (70)

Indicate primary work activity with "1" in appropriate box; secondary work activity (if any) with "2" in appropriate box.

0 ☐ Research and development
1 ☐ Teaching
2 ☐ Administration
3 ☐ Professional services to individuals
5 ☐ Other (specify) ..... (71) (79)

In what field will you be working?

Please enter number from Specialties List ..... (72-74)

V. What is the name and location of the organization with which you will be associated?

..... (Name)
..... (City, State) (Or Country if not U.S.) (66-69)

BACKGROUND INFORMATION

W. Please indicate, by circling the highest grade attained, the education of

		Elementary school								High school				College				Graduate				
your father:	none	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	MA, MD		PhD	Postdoctoral	(77)
your mother:	none	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	MA, MD		PhD	Postdoctoral	(78)
		1			2			3		4			5	6			7	8		9	(11)	

Signature ..... Date completed .....

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V
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SPECIALTIES LIST

MATHEMATICS

000 — Algebra
010 — Analysis & Functional Analysis
620 — Geometry
030 — Logic
040 — Number Theory
050 — Probability, Math. Statistics (see also 544, 670, 725, 727, 920)
060 — Topology
080 — Computing Theory & Practice
085 — Applied Mathematics
098 — Mathematics, General
099 — Mathematics, Other*

ASTRONOMY

101 — Astronomy
102 — Astrophysics

PHYSICS

110 — Atomic & Molecular Physics
120 — Electromagnetism
130 — Mechanics
132 — Acoustics
134 — Fluids
135 — Plasma Physics
136 — Optics
138 — Thermal Physics
140 — Elementary Particles
150 — Nuclear Structure
160 — Solid State
198 — Physics, General
199 — Physics, Other*

CHEMISTRY

200 — Analytical
210 — Inorganic
220 — Organic
230 — Nuclear
240 — Physical
250 — Theoretical
260 — Agricultural & Food
270 — Pharmaceutical
298 — Chemistry, General
299 — Chemistry, Other*

EARTH SCIENCES

301 — Mineralogy, Petrology
305 — Geochemistry
310 — Stratigraphy, Sedimentation
320 — Paleontology
330 — Structural Geology
340 — Geophysics (Solid Earth & Atmospheric)
350 — Geomorph., Glacial Geology
360 — Hydrology
370 — Oceanography
380 — Meteorology
391 — Applied Geol., Geol. Engr., Econ. Geol.
395 — Fuel Technology, Petrol. Engr.
398 — Earth Sciences, General
399 — Earth Sciences, Other*

ENGINEERING

400 — Aeronautical & Astronautical
410 — Agricultural
415 — Biomedical Engineering
420 — Civil
430 — Chemical
435 — Ceramic
440 — Electrical
445 — Electronics
450 — Industrial
455 — Nuclear Engineering
460 — Engineering Mechanics
465 — Engineering Physics
470 — Mechanical
475 — Metallurgy & Phys. Met. Engr.
478 — Operations Research
480 — Sanitary
486 — Mining
497 — Materials Science Engr.
498 — Engineering, General
499 — Engineering, Other*

ENVIRONMENTAL SCIENCES

589 — Environmental Sciences*

AGRICULTURAL SCIENCES

500 — Agronomy
501 — Agricultural Economics
502 — Animal Husbandry
503 — Food Science & Technology
504 — Fish & Wildlife
505 — Forestry
506 — Horticulture
507 — Soils & Soil Science
510 — Animal Sciences
511 — Phytopathology
518 — Agriculture, General
519 — Agriculture, Other*

MEDICAL SCIENCES

520 — Medicine & Surgery
522 — Public Health
523 — Veterinary Medicine
524 — Hospital Administration
527 — Parasitology
534 — Pathology
536 — Pharmacology
537 — Pharmacy
538 — Medical Sciences, General
539 — Medical Sciences, Other*

BIOLOGICAL SCIENCES

540 — Biochemistry
542 — Biophysics
544 — Biometrics, Biostatistics (see also 050, 670, 725, 727, 920)
545 — Anatomy
546 — Cytology
547 — Embryology
548 — Immunology
550 — Botany
560 — Ecology
562 — Hydrobiology
564 — Microbiology & Bacteriology
566 — Physiology, Animal
567 — Physiology, Plant
569 — Zoology
570 — Genetics
571 — Entomology
572 — Molecular Biology
578 — Biological Sciences, General
579 — Biological Sciences, Other*

PSYCHOLOGY

600 — Clinical
610 — Counseling & Guidance
620 — Developmental & Gerontological
630 — Educational
635 — School Psychology
641 — Experimental
642 — Comparative
643 — Physiological
650 — Industrial & Personnel
660 — Personality
670 — Psychometrics (see also 050, 544, 725, 727, 920)
680 — Social
698 — Psychology, General
699 — Psychology, Other*

SOCIAL SCIENCES

700 — Anthropology
708 — Communications*
710 — Sociology
720 — Economics (see also 501)
725 — Econometrics (see also 050, 544, 670, 727, 920)
727 — Statistics (see also 050, 544, 670, 725, 920)
740 — Geography
745 — Area Studies*
750 — Political Science, Public Admin.
755 — International Relations
770 — Urban & Reg. Planning
798 — Social Sciences, General
799 — Social Sciences, Other*

ARTS & HUMANITIES

801 — Art, Applied
802 — Art, History & Criticism
804 — History, American
805 — History, European
806 — History, Other*
807 — History & Philosophy of Science
830 — Music
831 — Speech as a Dramatic Art (see also 885)
832 — Archeology
833 — Religion (see also 881)
834 — Philosophy
835 — Linguistics
878 — Arts & Humanities, General
879 — Arts & Humanities, Other*

LANGUAGES & LITERATURE

811 — American
812 — English
821 — German
822 — Russian
823 — French
824 — Spanish & Portuguese
826 — Italian
827 — Classical*
829 — Other Languages*

EDUCATION

900 — Foundations: Social, Philosoph.
910 — Educational Psychology
908 — Elementary Educ., General
909 — Secondary Educ., General
918 — Higher Education
919 — Adult Educ. & Extension Educ.
920 — Educ. Meas. & Stat.
929 — Curriculum & Instruction
930 — Educ. Admin. & Superv.
940 — Guid., Couns., & Student Pers.
950 — Special Education (Speech, Gifted, Handicapped, etc.)
960 — Audio-Visual Media

TEACHING FIELDS

970 — Agriculture
972 — Art
974 — Business
976 — English
978 — Foreign Languages
980 — Home Economics
982 — Industrial Arts
984 — Mathematics
986 — Music
988 — Phys. Ed., Health, & Recreation
990 — Science Educ.
992 — Social Science Educ.
994 — Vocational Educ.
996 — Other Teaching Fields*

998 — Education, General
999 — Education, Other*

OTHER PROFESSIONAL FIELDS

881 — Theology (see also 833)
882 — Business Administration
883 — Home Economics
884 — Journalism
885 — Speech & Hearing Sciences
886 — Law, Jurisprudence
887 — Social Work
891 — Library & Archival Science
897 — Professional Field, Other*

899 — OTHER FIELDS*

* Identify the specific field in the space provided on the questionnaire.

Code Numbers for Fields Displayed in Table 2

TOTAL ALL FIELDS

Physics & Astronomy (101-199)
Chemistry (200-299)
Earth Sciences (301-399)

Physical Sciences Subtotal (100-399)
Mathematics (000-099)
Engineering (400-499)

EMP Total (000-499)

Basic Medical Sciences (540-542, 545-548, 564-566, 572)
Other Biosciences (544, 550-562, 567-571, 578-579)

Biosciences Subtotal (540-579)
Medical Sciences (520-539)
Agricultural Sciences (500-519)
Environmental Sciences (589)

Life Sciences (500-589)

Psychology (600-699)
Economics (720)
Anthropology & Sociology (700, 710)
Political Science, Public Administration, International Relations (750-755)
Other Social Sciences (708, 725-745, 770-799)

Social Sciences Total (600-799)

Total Sciences (000-799)

History (804-807)
English & American Language & Literature (810-812)
Foreign Languages & Literature (820-829)
Other Arts & Humanities (801-802, 830-879)

Arts & Humanities Total (801-879)

Professional Fields (880-897)

Education (900-999)

Other or unspecified (899)

Total Non-Sciences (800-999)